

MURASHKIN, M.I., inzh.

Comparative tests of various structures of supporting walls.
Vest.mashinostr. 45 no.3:46-47 Mr '65. (MIRA 18:4)

MURASHKIN, M.O.; IURCHENKOV, D.A.; RANEVSKIY, I.I., redaktor; ROSLOV, G.I.,
tehnicheskii redaktor

[Advice on television sets, radio receivers, and photographic
equipment; experience of Leningrad stores] Konsul'tatsii po tele-
visoram, radiopriemnikam i tovaram; iz opyta Leningradskikh
magazinov. Moskva, Gos. izd-vo tovgovoi lit-ry, 1956. 76 p.

(Television--Receivers and reception)

(MIRA 9:7)

(Photography--Apparatus and supplies)

(Radio--Receivers and reception)

MURASHKIN, N.I.

Regulate estimates. Transp. stroi. 13 no.6:78 Je '63.

(MIRA 16:9)

1. Nachal'nik planovogo otdela stroitel'nogo upravleniya No.337
Stroitel'no-montazhnogo tresta stroitel'stva elektrifitsiro-
vannykh zheleznodorozhnykh liniy Glavsheldorstroya TSentra i Zapada
Ministerstva transportnogo stroitel'stva SSSR.

(Construction industry--Accounting)

ACC NR: AP6037037

SOURCE CODE: UR/0310/66/000/011/0023/0025

AUTHOR: Murashkin, O. (Aspirant)

ORG: GIIVT

TITLE: Advantages of keyless joints in shafting designs

SOURCE: Rechnoy transport, no. 11, 1966, 23-25

TOPIC TAGS: shaft, ~~mechanical engineering~~, shipbuilding engineering, *hydrofoil, service craft*

ABSTRACT: Keyless shafting joints are discussed in general and their advantages are demonstrated with details concerning the shaft connections of the hydrofoil "Burevestnik" and the tugboat B-1. The first was built at the Krasnoye Sormovo shipyard, and the second was converted there from screw propeller to water-jet propulsion. The keyless joining of the Burevestnik's shafting is attained by means of a sleeve coupling which is hydraulically pressed onto the shaft and which acts on the thrust bearing. On the B-1 tugboat, two shaft errors are connected with half sleeves by means of conical bushings, the connecting bushing-shaft being cylindrical and the bushing half sleeve 1:30 conical. The use of keyless joints considerably simplifies the design, construction, and assembly of the shafting, eliminates stress concentrations, and improves operation. Orig. art. has: 4 figures and 4 tables.

SUB CODE: 13/ SUBM DATE: none

Card 1/1

UDC: 629.1.037.4.002.54

MURASHIN, M.

Efficiency of vibratory drilling. Trudy LPI no.250:56-60 '65.
(MIRA 18:9)

L 11582-66 EWT(d)/EWT(m)/EWP(c)/EWA(d)/EWP(v)/T/EWP(t)/EWP(k)/EWP(z)/EWP(b)/EWP(l)/
ACC NR: AT5028814 ETC(m)-6/ MJW/ JD SOURCE CODE: UR/2563/65/000/250/0056/0060 42

AUTHOR: Murashkin, S.L.

ORG: Leningrad Polytechnic Institute im. M.I. Kalinin (Leningradskiy politekhnicheskiy institut)

TITLE: The efficiency of vibration drilling

SOURCE: Leningrad. Politekhicheskiy Institut. Trudy, no. 250, 1965. Avtomatizatsiya i tekhnologiya mashinostroyeniya (Automation and technology of machinery manufacture), 56-60

TOPIC TAGS: drilling machine, high strength steel, metal machining

ABSTRACT: The present paper reports on the vibration drilling efficiency studies carried out with 1) the difficult-to-machine NB270 Chromium-molybdenum steel drilled by $D = 3.20$ mm drills, with a speed = 4.5 m/min and a rate = 0.01 mm/turn; the durability of the instrument increases by a factor of 1.8 as compared with ordinary drilling; and 2) drilling of steel 40 by $D = 5$ mm drills; the instrument stability is in this case equal for the two types of drilling. The efficiency was determined by comparative calculation of the detailed yearly production costs for machining of identical parts by the two drilling methods. Tables which can be used for the determination of optimum conditions give the itemized and total production costs as a function of L/D , which L is the depth of the hole. The new method appeared more efficient even during equal durabilities of the cutting instruments

Card 1/2

I 14582-66

ACC NR: AT5028814

because of the reduction in time needed during ordinary drilling for the insertion and removal of the drill. Orig. art. has: 1 formula, 4 figures, and 2 tables.

SUB CODE: 13 / SUBM DATE: none / ORIG REF: 007

FW
Card 2/2

3377

MURASHKIN, YE. P.

Tablitsy dlya vybora provodov i kabeley plavikh vstavok dlya otvetvlsny
k korotkoz ammutym yelektrodivigatelyam z-faznogo toka (napryazhenie
seti 380/220) vol't) Rostov n D, Kn izd., 1954 55 s s chert. 20 sm
(MPS SSSR. Tekhn. otd. dorogi i dor nauch inzh-tekhn. o-vo Dor NITO
Sev-kavkazskoy zh d.) 300 ekz. bespl (54-57744) 621.313.333.05 (083)

MURASHKIN, S.L.

Experimental investigation of vibration drilling. Trudy LPI no. 233:25-
29 '64. (MIRA 17:10)

MURASHKIN, Ye.P., energetik (g. Rostov-na-Donu)

Use of the lighting circuit for power supply to machinery. Put' i
put.khoz. 6 no.2:22 '62. (MIRA 15:2)
(Railroads--Electric equipment)

• Murashkina, A. P.

USSR / General and Special Zoology. Insects. General P
Problems.

Abs Jour: Ref Zhur-Biol., No 21, 1958, 96349.

Author : Murashkina, A. P.

Inst : Smolensk Medical Institute.

Title : A New Fixation Method by Means of Vapor Mixtures.

Orig Pub: Tr. Smolenskovo med. in-ta, 1957, 6, 399-402.

Abstract: A New fixation method with vapor mixtures of formalin, ether, chloroform and acetic acid is proposed for the muscles of the blue carrion-fly pupae. The liquids are placed in a desiccator of different diameters, taking into account the rapidity of their evaporation. Formalin is poured into the bottom of the desiccator or into a Koch flask. Containers of 3-cm diameter are filled with ether and formalin. Acetic acid is poured into a narrower vessel, filling it half way. The objects, sub-

Card 1/2

MURASHKINA, A.F.

Degeneration of the striated muscle fibers of the blowfly
fly *Calliphora erythrocephala* Mg. during the period of post-
embryonic development. Trudy SMI 15:122-130 '62 (M. RA 1962)

1. Iz kafedry obshchey biologii (zav. - kafedry docent
I.V. Shcherbin) Smolenskogo gosudarstvennogo meditsinskogo
instituta.

USMANOV, Kh.U.; MURASHKINA, I.I.

Changes in the molecular weight of cotton cellulose. Trudy SAGU
no.134:95-128 '58. (MIRA 12:4)
(Cellulose) (Polymerization)

MURASHKINA, I.I.; TSYGANOV, G.A.

Direct cathode reduction of sparsely soluble compounds. Dokl.
AN Uz.SSR no.5:37-39 '59. (MIRA 12:8)

1. Institut khimii AN UzSSR. Predstavleno akad. AN UzSSR

S.Yu.Yunusovym.

(Lead chloride) (Reduction, Electrolytic)

TSIGANOV, G.A., MURASHKINA, I.I.

Kinetics and mechanism of reactions involved in the indirect cathodic reduction of poorly soluble compounds. Uzb. khim. zhur. no.6:38-44 '60. (MIRA 14:1.)

1. Institut khimii AN UzSSR.
(Reduction, Electrolytic)

MURASHKINA, I. I.

Cand Chem Sci - (diss) "Cathode reduction of difficulty soluble compounds of lead and silver." Tashkent, 1961. 18 pp with diagrams; (Academy of Sciences Uzbek SSR, Joint Academic Council for Chemistry of the Division of Geological-Chemical Sci); 175 copies; price not given; (KL, 10-61 sup, 207)

TSYGANOV, G.A.; MURASHKINA, I.I.

Kinetics and reaction mechanism underlying the cathodic
reduction of sparingly soluble compounds. Uzb. khim. zhur.
9 no.4:51-53 '65. (MIRA 18:12)

1. Institut khimii AN UzSSR. Submitted June 17, 1964.

MURASHKINA, K. P.

Murashkina, K. P.

"Functional Diagnosis of the Dynamics of the Restoration of the Ovarian-Menstrual Cycle in Women Following Childbirth, Based on Cytological Investigations." Turkmen State Medical Inst imeni I. V. Stalin. Ashkhabad, 1955. (Dissertation for the Degree of Candidate in Medical Science)

So: Knizhnaya letopis', No. 27, 2 July 1955

MURASHKINA, O. K.

Our experience in handling greeting telegrams. Vest. sviazi 15
no.4:22-23 Ap '55. (MIRA 8:6)

1. Brigadir kassy i ekspeditsii Pekovskogo telegrafa.
(Telegraph)

MIKHAYLOV, N.V.; SHEYN, T.I.; GORBACHEVA, V.O.; TOPCHIRASHEVA, V.N.;
v rabote prinimali uchastiye tekhniki-laboranty; LARIONOV, P.M.;
VLASOVA, L.P.; MURASHKINA, S.I.

Investigating the molecular structure of synthetic fibers.
Part 14: Physicochemical and physicomachanical properties of
the polycapramide - polyundecanamide polyamide group. Vysokom.
soed. 1 no.2:185-190 F '59. (MIRA 12:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo
volokna.

(Textile fibers, Synthetic) (Amides)

MURASHKINTSMV, S., zaboyshchik-shchitovik.

How we strive for cheap fuel. Mast. ugl. 3 no.2:12 F '54.

(MIRA 7:3)

(Mine timbering)

ANISHCHENKO, A.F.; DROZD, Ya.I.; MURASHEK, A.I.

Effect of overhead frame elements on stresses in hinged arches
of reinforced concrete bridges. Sbor.nauch.trud.Bel.politekh.
inst. no.70:73-79 '59. (MIRA 13:5)
(Strains and stresses) (Bridges, Concrete)

MURASHKO, A.I. [Murashka, A.I.]

Settling of the surface of swamps with time. Vestsi ~~BN~~ BSSR. Ser.
Fiz.-tekh. nav. no. 4:118-123 '60. (MIRA 14:1)
(Swamps)

MURASHKO, A. I.

Cand Tech Sci - (diss) "Study of deposit of peat layers under the influence of drying therein." Minsk, 1961. 15 pp; (Ministry of Higher, Secondary Specialist, and Professional Education Belorussian SSR, Belo Polytechnic Inst imeni I. V. Stalin); 222 copies; price not given; (KL, 7-61 sup, 241)

MURASHKO, A.I.

Computing the settling of peat in planning open drains.

Dokl. AN BSSR 5 no.3:125-127 Mr '61.

(MIRA 14:3)

1. Belorusskiy nauchno-issledovatel'skiy institut melioratsii i
vodnogo khozyaystva. Predstavleno akademikom AN BSSR F.P. Vinokuro-
vym.

(Drainage) (Peat)

ZUBETS, V.M., kand.tekhn.nauk (Minsk); MURASHKO, A.I., kand.tekhn.
nauk (Minsk)

Performance of tile drainage under conditions of flooded drain
mouths. Gidr.i mel. 14 no.11:49-56 N '62. (MIRA 15:12)
(White Russia--Drainage)

ZUBETS, V.M., kand. tekhn. nauk; MURASHKO, A.I., kand. tekhn. nauk

Use of plastic materials in drainage construction in White
Russia. Gidr. i mel. 17 no.11:20-29 N '65. (MIRA 18:11)

1. Belorusskiy nauchno-issledovatel'skiy institut melioratsii
i vodnogo khozyaystva.

YEGOROV, A.P., shofer; VOYTANIK, N.M., shofer; KOZINTSEV, D.K., shofer;
POLULYAKH, V.Ya., shofer; KAMATSKIY, V.N., shofer; VARSHAVSKAYA,
A.A., shofer; VATULIN, G.N., shofer; SHANDURSKIY, P.T., shofer;
YEMEL'YANOV, G.A., shofer; VERBOV, A.G., shofer; DANILETS, P.P.,
shofer; BOGANCHENKO, V.A., shofer; PRUDNIKOV, A.F., shofer;
V'YUNIKOV, S.I., shofer; SOLOVEY, I.N., shofer; MURASHKO, D.F., shofer

We prize our workers' honor. Avt. transp. 40 no.12:3-4 D '62.
(MIRA 15:12)

1. Simferopol'skiy avtobusnyy park (for Yegorov, Voytanik).
2. Simferopol'skiy taksomotornyy park (for Murashko, Kozintsev).
2. Kerchenskiy avtobusno-taksomotornyy park (for Polulyakh).
4. Yevpatoriyskiy avtobusno-taksomotornyy park (for Kamatskiy).
5. Yaltinskiy taksomotornyy park (for Varshavskaya). 6. Feodosiyskiy
taksomotornyy park (for Varshavskaya). 7. Sevastopol'skiy avtobusno-
taksomotornyy park (for Yemel'yanov). 8. Simferopol'skiy gruzovoy
avtopark (for Verbov). 9. 2-y Simferopol'skiy gruzovoy avtopark
(for Verbov). 9. 2-y Simferopol'skiy gruzovoy avtopark (for Danilets).
10. Bakhchisarayskiy avtopark (for Boganchenko). 11. Sevastopol'skiy
avtopark (for Prudnikov). 12. 1-y Simferopol'skiy gruzovoy avtopark
(for V'yunikov, Solovey).

L 36552-66 EWT(1)/EWT(m)/T/EWP(t)/ETI IJP(c) JD/JG
 ACC NR: AP6015758 (A, N) SOURCE CODE: UR/0048/66/030/005/0758/0760

AUTHOR: Vásichev, B. N.; Murashko, G. M.; Utevskiy, L. M. 43

ORG: none

TITLE: Solution of some experimental problems with the aid of the EMMA-2 electron microscope-microanalyzer /Report, Fifth All-Union Conference on Electron Microscopy held in Sverdlovsk 6-8 July 1965/

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 30, no. 5, 1966, 758-760

TOPIC TAGS: x ray analysis, electron microscope

ABSTRACT: About half of the present paper is devoted to a brief description of the EMMA-2 electron microscope microanalyzer which was fabricated from a Tesla desk model electron microscope. A condenser system was provided which produced an electron beam probe with a diameter less than 1μ on the object. The second condensing lens of this system had a very short working distance, which made it possible to increase the angle of departure of the x rays from the object to 28° . The instrument was equipped with two small x-ray spectrometers employing LiF or mica crystals. The projection system of the microscope was left unaltered; this made it possible directly to observe the position, shape, and size of the probe when working with a thin object, and to bring the probe accurately into coincidence with the desired part of the object. The power

Card 1/2

L 36552-66

ACC NR: AP6015758

supply of the microscope was so altered as to make it possible to vary the accelerating potential in steps from 25 to 70 KV. In the remainder of the paper three applications of the instrument are discussed briefly. In one experiment a thin film of an iron-molybdenum alloy was examined. The alloy had been heated for 30 minutes in an argon atmosphere. The film was found to contain inclusions with enhanced molybdenum content. In a second experiment, x-ray analysis of a heat treated austenitic chrome-nickel steel revealed the presence near the carbide inclusions of zones enriched in nickel and impoverished in chromium. Extraction replicas provided the possibility of determining the shape and distribution of the inclusions, and the chemical composition of the particles in the replica could be determined by x-ray microanalysis. In the third experiment the small particles resulting from explosion in vacuum of a nichrome wire were examined. The particles were found all to have the same composition. Orig. art. has: 4 figures.

SUB CODE: 20/

SUM DATE: 00/

ORIG REF: 003/

OTH REF: 003

Card 2/2 M.L.P.

BROVMAN, M.Ya.; GENZEL'EV, S.M.; MURASHKO, L.I.; RUBINSHTEYN, Yu.Ye.;
SKORKIN, N.V.; ARSHANSKIY, M.I.; PIN'ZHAKOV, G.P.

Results of a year's operation and investigation of an oxygen-
blown converter with a 100 ton (Mg) capacity. Stal' 25 no.6:
508-511 Je '65. (MIRA 18:6)

1. Yuzhno-Ural'skiy mashinostroitel'nyy zavod i Nizhne-Tagil'skiy
metallurgicheskiy kombinat.

KOSTRYGIN, V.A.; MURASHKO, L.T.

Investigation of the pulse breakdown of thin layers of ionic crystals.
Izv.vys.ucheb.zav.; fiz. no.1:169-170 '61. (MIRA 14:7)

1. Tomskiy politekhnicheskii institut imeni S.M.Kirova.
(Breakdown, Electric) (Ionic crystals—Electric properties)

KOSTRYGIN, V.A.; MURASHKO, L.T.

Electric strength and discharge time lag as a function of the
lattice energy in ionic crystals. Izv.vys.ucheb.zav.; fiz. no.5:
175-176 '61. (MIRA 14:10)

1. Nauchno-issledovatel'skiy institut pri Tomskom politekhnicheskom
institute imeni S.M.Kirova.
(Ionic crystals--Electric properties)

VOROB'YEV, G.A.; KOSTRYGIN, V.A.; MURASHKO, L.T.

Obtaining thin dielectric films. Prib.i tekhn.eksp. 6 no.5:198-199
9-0 '61. (MIRA 14:10)

1. Nauchno-issledovatel'skiy institut yadernoy fiziki, elektroniki
i avtomatiki Tomskogo politekhnicheskogo instituta.
(Dielectrics)

S/181/62/004/007/032/037
B178/B104

AUTHORS: Vorob'yev, A. A., Vorob'yev, G. A., and Murashko, L. T.

TITLE: Anisotropy in the electric strength of rock salt

PERIODICAL: Fizika tverdogo tela, v. 4, no. 7, 1962, 1967-1968

TEXT: The direction $[110]$ along the chain of positive ions in the crystal lattice of the NaCl type is the favored direction of electron acceleration. As the interionic distance in the direction $[111]$ is larger than in the direction $[100]$, preference is given to the former. A. Hippel (Phys. Rev., 57, 156, 1940) got the following ratio for the electric strength in the directions $[100]$, $[110]$, and $[111]$: $E_{100}:E_{110}:E_{111} = 1.41:1:1.23$. In the present investigation, the values obtained for the electric strength in the various directions did not differ within the limits of error. It is assumed that the anisotropy in electric strength can be proved only if electrodes with a small diameter are used, since otherwise the discharge may take place in another direction with lower strength. Using electrodes with a small diameter one obtains $E_{100}:E_{110}:E_{111} = 1.43:1:1.21$. There is

Card 1/2

Anisotropy in the electric ...

S/181/62/004/007/032/037
B178/B104

1 figure.

ASSOCIATION: Tomskiy politekhnicheskii institut imeni S. M. Kirova
(Tomsk Polytechnic Institute imeni S. M. Kirov) ✓

SUBMITTED: March 22, 1962

Card 2/2

VOROB'YEV, A.A.; VOROB'YEV, G.A.; MURASHKO, L.T.

Breakdown voltage of solid dielectrics as dependent on
thickness in the range of low thickness values. Izv. vys.
ucheb. zav.; fis. no.5:174 '62. (MIRA 15:12)

1. Nauchno-issledovatel'skiy institut pri Tomskom
politeknicheskoye imeni Kirova.
(Breakdown Electric)
(Dielectrics)

MURASHKO, M.G., kandidat tekhnicheskikh nauk.

Utilization of the hydraulic power of small rivers in the White
Russian S.S.R. Trudy Inst.energ.AN BSSR no.1:32-43 '54. (MLBA 9:8)
(White Russia--Hydroelectric power stations)

TYUL'PANOV, A.I.; MURASHKO, M., redaktor; TRUKHANOVA, A., tekhnicheskiy
redaktor

[Complex use of water reservoirs of rural hydroelectric power
stations] Kompleksnoe ispol'zovanie vodokhranilishch sel-
skikh gidroelektrostantsii. Minsk, Gos.izd-vo BSSR, 1955. 269 p.
(MIRA 9:3)

(Hydroelectric power stations) (Water supply engineering)

MURASHKO, M. G.

112-1-385

Translation from: Referativnyy Zhurnal, Elektrotehnika, 1957, Nr 1, p. 63 (USSR)

AUTHORS: Murashko, M. G., Koval'chuk, P. S.

TITLE: Performance Analysis of the Turbine Equipment of the "Druzhba narodov" (Peoples' friendship) Hydroelectric Power Station (Issledovaniye raboty turbinogo oborudovaniya GES "Druzhba narodov")

PERIODICAL: Tr. in-ta energetiki AN BSSR, 1955, Nr 2, pp. 76-86

ABSTRACT: The testing of the PrK70-W0.120 water wheel unit after one year of operation is described. The water discharge is measured in the feeding stream at the intake of the water wheel chamber with a propeller flowmeter by the 3-point method. The head is measured with crest-stage gages in both the head and the tail races. The loading of the turbine was done with a water rheostat near the generator and the power measured with electrical measuring instruments. The rpm is measured with a frequency meter and is kept constant. A comparison of the experimental and computed characteristics indicates that the effective zone of the turbine's performance is shifted into the region of reduced values of the rates of flow, efficiencies and capacities in all the 8 operational conditions investigated, as compared with the characteristics built on the basis of testing of models. Tables of tests and a characteristic of the tested unit are given.

Card 1/1

I.I.O.

MURASHKO, M.G.; SHIMKO, K.I.

Power and economic bases for plans of agricultural hydroelectric
stations in the White Russian S.S.R. Izv. AN BSSR no. 3:35-50 My-Je
'55. (MLRA 8:12)
(White Russia--Hydroelectric power plants)

SOV/124-58-4-4340D

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 4, p 93 (USSR)

AUTHOR: Murashko, M.G.

TITLE: Mass Exchange in Capillary-porous Media With a Partial
Impervious Boundary (Massoobmen v kapillyarno-poristyykh
poluogranichennykh sredakh)

ABSTRACT: Bibliographic entry on the author's dissertation for the degree
of Doctor of Technical Sciences, presented to the Mosk. tekhnol.
in-t pishch. prom-sti (Moscow Institute of Technology for the
Food Industry), Moscow, 1957

ASSOCIATION: Mosk. Tekhnol. in-t pishch. prom-sti (Moscow Institute
of Technology for the Food Industry), Moscow

1. Porous materials--Properties

Card 1/1

VOLOSHIN, Ivan Filippovich [VALOSHYN, I.]; MURASHKO, Mikhail Grigor'yevich
[Murashka, M.]

[Development of power in White Russia] Razvitsiye energetyki u
Belarusi. Minsk, Dziarzh. vyd-va BSSR, 1957. 41 p. (MIRA 12:1)
(White Russia--Power resources)

MURASHKO, M.G., red.; GATILLO, P.D., red.; BARMICHEV, V., red. izdatel'stva;
VOLOKHANOVICH, I., tekhn. red.

[Water power resources of White Russia] Gidroenergeticheskie resursy
Belorussii. Pod red. M.G. Murashko i P.D. Gatillo. Minsk, 1957. 174 p.

1. Akademiya nauk BSSR, Minsk. Institut energetiki.
(White Russia--Hydroelectric power)

MURASHKO, M.G.

New aspects of the process of humid soil freezing. Inzh.-fiz.zhur.
no.1:96-99 Ja '58. (MIRA 11:7)

1. Institut energetiki AN BSSR, g. Minsk.
(Frozen ground)

MURASHKO, M.G.

Swelling of soils. Inzh.-fiz. zhur. no. 6:20-26 Je '58. (MIRA 11:7)

1. Institut energetiki AN BSSR, Minsk.
(Soil mechanics)

MURASHKO, M.G.; IVANOV, A.V.

Problem of the freezing of ground in a wide range of freezing
temperatures. Trudy Inst. energ. AN BSSR no.6:159-165 '58.
(MIRA 13:2)

(Frozen ground)

SOV/24-59-1-20/35

AUTHOR: Murashko, M.G. (Minsk) and Prudnikov, A.P., (~~Minsk~~, Moscow)
TITLE: The Theory of Liquid Movement in Soil (K teorii
fil'tratsii zhidkosti v gruntakh)
PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh
Nauk, Energetika i Avtomatika, 1959, Nr 1, pp 119-121 (USSR)
ABSTRACT: Continuation of M.G. Murashko's previous work (Ref 2).
The differential equations for liquid movement,
allowing for osmotic swelling and capillary absorption,
are quoted and a formal solution of them is given.
There are 2 Soviet references.
SUBMITTED: 19th September 1958

(Soil permeability)

Card 1/1

MURASHKO, Mikhail Grigor'yevich; GATILLO, Pavel Dmitriyevich; VELIKOVICH, Pavel Adamovich; VOYTKHOVSKAYA, Elena Aleksandrovna; BLIZNYAK, Ye.V., prof., doktor tekhn.nauk, sasluzhennyy deyatel' nauki i tekhniki [deceased]; ZOLOTAREV, T.L., prof., doktor tekhn.nauk, red.; MARIKS, L., red.isd-va; VOLOKHANOVICH, I., tekhn.red.

[Cadastral survey of water-power resources of the White Russian S.S.R.; potential hydroelectric power resources] Vodnoenergeticheskii kadastr Belorusskoi SSR; potentsial'nye gidroenergoresursy. Pod red. T.L.Zolotareva. Minsk, Izd-vo Akad.nauk BSSR. Vol.1. 1960. 281 p. ____ Maps. (MIRA 13:10)
(White Russia--Hydroelectric power)

MURASHKO, M.G.

Study of the filtration movement of a liquid, allowing
for the effect of the phenomena of heat and mass transfer.
Inzh.-fiz. zhur. 4 no.10:30-35 0 '61. (MIRA 14:10)
(Filters and filtration)
(Heat-Transmission)
(Mass transfer)

MURASHKO, Mikhail Grigor'yevich; GATILLI, Pavel Dmitriyevich;
VELIKEVICH, Pavel Adamovich; VOYTEKHOVSKAYA, Emiliya
Aleksandrovna; ZOLOTAREV, T.L., prof., red.; BARABANOVA, Ye.,
red. izd-va; SIDERKO, N., tekhn. red.

[Cadastral survey of water-power resources of the White Russian S.S.R.; potential hydroelectric power resources]Vodno-energeticheskii kadastr Belurusskoi SSR; potentsial'nye gidro-energoresursy. Minsk, Izd-vo Akad. nauk BSSR. Vol.2. [Album of cadastral graphs]Al'bom kadaastrovykh grafikov. Pod red. T.L.Zolotareva. 1962. 217 p. (MIRA 16:1)
(White Russia—Hydroelectric power)

MURASHKO, M.G., red.

[Problems in the use of the water resources of the White Russian S.S.R.] Problemy ispol'zovaniia vodnykh resursov Belorusskoi SSR. Minsk, Izd-vo AN BSSR, 1962. 305 p. (MIRA 17:10)

1. Akademiya navuk BSSR. Minsk. Institut vodnykh problem.

MURASHKO, M.P., inzhener; VERBITSKIY, I.F., inzhener.

Machine-tractor stations and mechanization of livestock farms

Nauka i pered.op. v sel'khoz. 7 no.8:52-54 '57. (MIRA 1)

(Farm mechanization) (Machine-tractor stations)

MURASHKO, N.V., inzh.

Transverse differential directional protection with zero sequence
for power lines with branch lines. Elek. sta. 33 no.4:85-87
(MIRA 15:7)

Ap '62.

(Electric protection) (Electric power distribution)

MURASHKO, N.V., inzh.

Installation of automatic devices in the power networks of protection systems. Elek. sta. 33 no.8:80-81 Ag '62. (MIRA 15:8)
(Electric power distribution) (Electric protection)

DORODNOVA, T.N., inzh.; MURASHEV, N.V., inzh.

Matching of a remote-type protection system with a composite
current and voltage cutoff system in 110 to 220 kv. networks.
Elek.sta. 33 no.12:65-70 D '62. (MIRA 16:2)
(Electric protection) (Electric power distribution)

AL'TSHULLER, V.A., inzh.; KARTSEV, V.L., inzh.; MURASHKO, N.V., inzh.; PETROV,
S.Ya., inzh.

Three-stage distance-type protection system using transistors
Elek. sta. 35 no.8:63-68 Ag '64.

MURASHKO, N. V., inzh.

Inverse-sequence voltage filter with nonbalance frequency
compensation. Elek. sta. 35 no.11:78-79 N '64.
(MIRA 18:1)

KHUDOKORMOV, D.N.; YERSHOVICH, A.N.; Primali uchastiye: FEDCHENKO,
A.M.; SHURUPOV, V.I.; BOLOTSKIY, V.D.; KOMAROV, O.S.;
ANDROSIK, Ye.I.; KUDI, V.I.; GALUSHKO, A.M.; KLEYEV, A.N.;
KHOSN, R.I.; MURASHKO, O.A.

Technology of the production of gray cast iron in the manu-
facture of tractor trucks. Lit. proizv. no.7:37-38 J1 '63.
(MIRA 17:1)

1. Nauchno-issledovatel'skiy tekhnologicheskii institut
avtomobil'noy promyshlennosti (for all except Khudokormov).

PETRUK, I.; MURASHKO, P.

We are converting a hop kiln for drying corn. Sil'. bud.
11 no.8:9-10 Ag '61. (MIRA 14:9)

1. Predsedatel' kolkhosa imeni 40-letiya Oktyabrya Zhitomir-
skogo rayona, Zhitomirskoy oblasti (for Petruk). 2. Glavnyy
inzh. Zhitomirskogo oblastnogo ob'yedineniya "Sil' gosptekhnika"
(for Murashko).

(Zhitomir Province--Corn (Maize))--Drying)

MURASHKO, P.

Machinery needed for Polesye. Mekh. sil'. hosp. 12 no. 4:4-5 Ap '61.
(MIRA 14:4)

1. Glavnyy inzh. Zhitomirskogo oblsel'khozupravleniya.
(Polesye--Agricultural machinery)

SAZHINOV, Viktor; KUPRIYANOV, Aleksey; MAKARTSEV, Ivan; VOROBAY, Aleksandr;
DEMEKOVETS, Nikolay; MURASHKO, Petr; KULINKOVICH, Aleksandr;
TULUYEVSKIY, Ivan; RADKOVSKIY, Leonid

Our experience in the operation of the BPF-2 pneumatic combine.
Torf. prom. 40 no.4:5-12 '63. (MIRA 16:10)

1. Mokeikha-Zybinskoye torfopredpriyatiye Yaroslavskoy obl.
(for Sazhinov, Kupriyanov). 2. Torfopredpriyatiye "Bol'shevik"
Soveta narodnogo khozyaystva BSSR (for Makartsev).
3. Torfopredpriyatiye Vasilevichi II Soveta narodnogo khozyaystva
BSSR (for Vorobey, Demekovets). 4. Torfobriketnyy zavod "Ulyazh"
(for Murashko, Kulinkovich, Tuluyevskiy). 5. Torfobriketnyy zavod
"Berezinskoye" (for Radkovskiy).
(Peat machinery)

SURA-BURA, B.L., prof.; MURAV'YEV, A.P.; MURASHKO, P.I.

Disinfection of tuberculous sputum using the products from
electrolysis of chlorides. Probl.tub. no.5:66-69 '61.

(MIRA 15:1)

1. Iz Voenno-meditsinskoy ordena Lenina akademii imeni S.M.
Kirova.

(CHLORIDES) (SPUTUM--DISINFECTION) (MYCOBACTERIUM TUBERCULOSIS)

MURASHKO, P.L.

What we shall give the Ukrainian mines during the first years
of the seven-year plan. Ugol' Ukr. 3 no.4:30 Ap '59.
(MIRA 12:7)

1. Direktor zavoda "Krasnaya gvardiya."
(Ukraine--Coal mining machinery)

MURASHKO, P.M., insh.

Using liquid fuels in heating feed steamers. Mekh. sil'. hosp. [9]
no.5:27 My '58. (MIRA 11:6)
(Liquid fuels) (Feeding and feeding stuffs)

MURASHKO, P.M., inzh.

Improving design of bulldozers. Mekh. sil'. hosp. 9 no. 8:17-18
Ag '58. (MIRA 11:8)

(Bulldozers)

MURASHKO, P.M., insh.

Feeding "Strela" boilers with liquid fuel. Mekh.sil'.hosp. 9
no.11:26 N '58. (MIRA 11:12)
(Boilers) (Liquid fuels)

MURASHKO, P.M., inzh.

Adjusting the ZhN-4 reaper for mounting on DT-14 and DT-20 tractors.
Mekh. sil'. hosp. 11 no.5:17 My '60. (MIRA 14:3)
(Harvesting machinery)

MURASHKO, S.

Pork prices will be sharply reduced. Nauka i pered. op v
sel'khoz 9 no.5:30-31 My '59. (MIRA 12:9)

1. Predsedatel' kolkhosa "Kommunar," Klimovskogo rayona, Bryanskoy
oblasti. (Swine--Feeding and feeds)

VASIL'YEV, Yu.K., kand. tekhn. nauk; KARPENKO, B.K., kand. tekhn. nauk;
KRAVTSOV, O.K., inzh.; MURASHKO, V.A., inzh.; IVANOVA, I.G., inzh.

Direct current motor with printed armature winding.

Energ. i elektrotekh. prom. no.1:25-28 Ja-Mr'64.

(MIRA 17:5)

POLYATSKIN, M.A., kand.tekhn.nauk; SHATIL', A.A., kand.tekhn.nauk;
KHAYNOVSKIY, Ya.S.; MURASHKO, V.D.

Study of combustion and heat exchange processes in the combustion
chamber of a gas turbine system operating on natural gas. Energ.
i elektrotekh. prom. no.3:25-30 JI-S '63. (MIRA 16:10)

SHATIL', A.A., kand.tekhn.nauk; KHAYNOVSKIY, Ya.S., inzh.; MURASHKO,
V.D., inzh.

Burning of natural gas under pressure in the combustion chamber
of a gas turbine system. Teploenergetika 11 no. 1:63-67 Ja '64.
(MIRA 17:5)

1. Tsentral'nyy kotloturbinnyy institut i Khar'kovskiy
turbinnyy zavod im. S.M.Kirova.

ACCESSION NR: AP4034654

S/0096/64/000/005/0048/0053

AUTHORS: Shatil', A. A. (Candidate of technical sciences); Murashko, V. D.
(Engineer)

TITLE: Application of characteristic method in gas turbine combustion chamber investigations

SOURCE: Teploenergetika, no. 5, 1964, 48-53

TOPIC TAGS: combustion process, combustion chamber, pure diffusion, heat balance, adiabatic limit, heat capacity, excess coefficient, diffusion time

ABSTRACT: Several characteristic combustion processes were investigated and applied to combustion chamber studies in GTU gas turbines. Combustion types considered were: pure kinetic, pure diffusion, and an intermediate method described by L. A. Vulis (Teplovoy rezhim gorennya. Gosenergoizdat, 1954). A small and a large combustion chamber were studied with both plane and conical type constructions. The heat balance equation for the combustion chamber becomes

$$\pi Q_c = (1 + L_e a) c_{p,m} (T - T_0),$$

where ϕ - coefficient characterizing the adiabatic limits of the chamber

Card

1/3

ACCESSION NR: AP4034654

($0.85 \leq \phi \leq 0.99$), Q_p^H - fuel heat capacity, L_0 - quantity of air for combustion, α - air excess coefficient, η - degree of combustion (depending on type of combustion). The above equation is written in the form $\eta = \frac{1}{\phi}(\phi - \phi_0)$.

where $\phi_0 = \frac{Q_p^H R}{L_0 E (1/L_0 + \alpha) \tau_{pd}}$. Plots of η versus ϕ (ϕ - dimensionless temperature) curves from experimental combustion data can be fitted fairly well with an empirical expression $\eta = \frac{1}{1 + \frac{1}{\tau_{pd}} + \frac{\phi^2}{k \tau_{pd}}}$.

where τ_{pd} - ratio of stay-to-diffusion time. Comparison of the small chamber to the large one (2.5 times bigger) indicates that the kinetic coefficients m and k_0 depend only on the type of construction (plane or conical) and are insensitive to the scale and similarity parameters of these chambers. On the other hand, the dimensionless time τ_{pd} depends strongly on the construction type and is independent of L/w (combustion-stay time). Orig. art. has: 11 formulas, 7 figures, and 2 tables.

ASSOCIATION: none

Card 2/3

ACCESSION NR: AP4034654

SUBMITTED: 00

ENCL: 00

SUB CODE: PR, TD

NO REF SOV: 012

OTHER: 001

Card 3/3

L 55939-65 EPA/EWT(m)/EPF(c)/EWP(f)/EPF(n)-2/EPR/T/EPA(bb)-2/EWA(c) Paa-L/Pr-L/
 Ps-L/Pt-7 WW/JW/WE
 ACCESSION NR: AP5016540

UR/0096/65/000/007/0054/0058 52
 621.438:621.43.056.001.24 50
 B

AUTHOR: Shatil', A. A. (Candidate of technical sciences); Murashko,
 V. D. (Engineer)

TITLE: On the approximate modelling of combustion chambers of gas
 turbines for natural gas

SOURCE: Teploenergetika, no. 7, 1965, 54-58

TOPIC TAGS: ¹³ gas turbine, combustion chamber, combustion chamber
 modelling, combustion analysis, combustion, aviation turbine

ABSTRACT: In connection with the increasing use of gas turbines,
 the problem of combustion chamber modelling is widely studied by
 Soviet and non-Soviet authors. The majority of them attempt to
 formulate conditions for approximate modelling and find a set of
 parameters which should be similar in the model and full scale cham-
 ber. The authors of this article present a new approach to the
 modelling of the combustion process based on a diffusional-kinetic
 analysis of combustion. An outline of the calculation procedure is
 given. Orig. art. has: 9 formulas and 1 figure. [AC]

Card 1/2

L 55939-65

ACCESSION NR: AP5016540

ASSOCIATION: TsKTI; KhTGZ

SUBMITTED: 00

ENCL: 00

SUB CODE: PR,FP

NO REF SOV: 016

OTHER: 001

ATD PRESS: 4032

2

ACC NR: AT7003565

(N)

SOURCE CODE: UR/3240/66/000/001/0073/0074

AUTHORS: Murashko, V. D.; Sekunda, A. T.; Khaynovskiy, Ya. S.

ORG: Kharkov Turbine Plant (Khar'kovskiy turbinnyy zavod)

TITLE: Tests of burning equipment for the combustion chamber of a gas turbine installation GTU-50-800

SOURCE: Kharkov. Politekhnicheskiy institut. Energeticheskoye mashinostroyeniye, no. 1, 1966. Teploobmen i gazodinamika (Heat transfer and gas dynamics), 73-74 and insert following pg. 74

TOPIC TAGS: ~~gas turbine engine~~, gas turbine engine test, gas turbine, combustion chamber, combustion chamber test, natural gas, burning rate/ GTU-50-800 gas turbine

ABSTRACT: A full-scale experimental combustion chamber of high-pressure gas turbine GTU-50-800 was mounted on a special stand to test and adjust the equipment associated with this chamber. Controlling and measuring devices for temperature, pressure, and fuel (natural gas) consumption were provided. Heat stresses near to the operational ones ($8 \cdot 10^6$ Kcal/m² hr · atm) were maintained in these tests conducted by the Kharkov Turbine Plant in cooperation with TsMTI. The equipment was rated according to its operational economy, incompleteness of combustion (q_3), pressure loss ΔP_{kc} , combustion constancy, and the tendency toward pulsating combustion. Work was

Card 1/2

ACC NR: AT7003565

preceded by tests of small scale models, leading to the construction of main burners with fiat and conical main dampers. Tests results are fully described in (Zh. Energomashinostroyeniye, 1961, No. 7) and in (Zh. Teploenergetika, 1962, No. 1). They show the burner with a conical damper to be most economical. The performance of four types of main burners and pilot burners is briefly analyzed and their characteristics are shown graphically. Cold air (60--700) was used with all but one design variant. In the latter case ($t_{air} = 375--4500$), q_3 dropped from 9% to 0.7--1.4%.
Orig. art. has: 1 photograph and 4 graphs.

SUB CODE: 21/ SUBM DATE: none/ ORIG REF: 004

Card 2/2

L 22292-66 EPF(m)-2/EWT(d)/EWT(m)/ETG(m)-6/T/EWP(f) WW/WE
 ACC NR: AP6009813 (V) UR/0096/66/000/004/0043/0048 86
 AUTHOR: Polyatskin, M.A. (Candidate of technical sciences); Shatil', B.A.A. (Candidate of technical sciences); Khaynovskiy, Ya.S. (Candidate of technical sciences); Murashko, V.D. (Engineer); Miroshnichenko, V.I. (Engineer)
 ORG: TsKTI; KhtGZ
 TITLE: Mixing and combustion processes // in the combustion chamber of a gas turbine installation
 SOURCE: Teploenergetika, no.4, 1966, 43-48
 TOPIC TAGS: gas turbine engine, combustion chamber test, aerodynamic research, natural gas, combustion mechanism, flow structure
 ABSTRACT: The article reports the results of aerodynamic investigations of an experimental combustion chamber with three different types of burners. The measurements were made with a three channel cylindrical water cooled probe, at sections located at relative distances L/D from the burner equal to 0.48, 1.1, 1.72, and 2.2 (D is the diameter of the chamber). The fuel was natural gas. Data on the axial mass velocities and the composition of the products of combustion make it possible to establish the distribution of the mass velocities of the fuel being fed over the cross section of the chamber. Calculation of the local values of the mass velocities of the fuel was carried out with the approximate formula:
 Card 1/2 UDC: 621.438.621.43.056.001.5

L. 22292-66

ACC NR: AP6009813

$$B_1 = \frac{w_1}{L_0} \cdot \pi / \mu^* \cdot \cos \alpha_1 \quad (1)$$

where w_1 and ρ_1 are the local velocity and density of the gas; α_1 are the local values of the excess air coefficients; L_0 is the stoichiometric coefficient (for the gas used, $L_0 = 16.4 \text{ kg/kg}$). The experimental form of the flame in the combustion chamber is illustrated in a series of figures. Other figures show the schematic mixing picture in the combustion chamber. In general, the experimental results indicate that in the combustion the main mechanism is convective transfer which, in turn, is determined by the aerodynamic structure of the flow. Orig. art. has: 5 formulas and 7 figures.

SUB CODE: 21/3/SUBM DATE: none/ ORIG REF: 013

Card 2/2 est

MURASHKO, V.P.

20(1) PHASE I BOOK EXPLOITATION 309/2931
Konferentsiya po voprosam rascheta, konstruirovaniya i issledovaniya subkhatykh peredach i peredach gibkoy stroy'yu. Odessa, 1957
Raschet, konstruirovaniye i issledovaniye peredach: trudy konferentsii... (Design, Construction, and Analysis of Transmissions: Transactions of a Conference and Problems in Design, Construction, and Analysis of Gears and Flexible Transmissions, No. 3) / Odessa: Izd. Odesskogo politkha. in-ta, 1959. 124 p. 3,000 copies printed.
Sponsoring Agencies: Odesskiy politekhnicheskii institut, and Nauchno-tekhnicheskoye obshchestvo mashinostroitel'noy promyshlennosti. Odesskoye obshchestvo pravleniye.
Ed.: I. P. Nikiforov, Engineer; Editorial Board: L. S. Borovich, Candidate of Technical Sciences; M. S. Belyayev, Engineer; M. D. Genkin, Candidate of Technical Sciences; K. S. Zak, (Resp. Ed.) Candidate of Technical Sciences; V. A. Zakharenko, Candidate of Technical Sciences; V. N. Kudryavtsev, Doctor of Technical Sciences; V. P. Mal'tsev, Candidate of Technical Sciences; S. G. Polotskiy, Candidate of Technical Sciences; and L. B. Erlikh, Candidate of Technical Sciences; Tech. Ed.: A. R. Komisarenko.

PURPOSE: This book is intended for design engineers in the machine-building and automotive industries, particularly gear designers.

COVERAGE: The technical papers contained in this book were originally presented at a conference on gear design held in Odessa in 1957. A number of papers dealt with the causes of failure in modern gear drives under high severe service conditions as seizing and jamming. To determine these causes a study was made of the wear and resistance of contact surfaces and the rigidity of gear teeth under load. Various gear drives and systems of engagement including the Kovikov-type gears, which are claimed to have many superior characteristics, and double-enveloping type of worm gear drive are compared. A study is made of the rigidity of gear drives, particularly of the rigidity of splined gear-to-shaft joints. No personalities testing methods and devices are also listed. No personalities

Original: V. P. Mal'tsev, Load-bearing Capacity of a Gear System by N. B. Erlikh 81
Frenkel', I. M. Experimental Determination of the Rigidity of 30-degree Spur Gear Teeth 89
Grekov, G. M., and V. P. Mal'tsev. Method of Gear Testing on a Roller Machine 57
Semenov, Yu. S. Study of Gear Wear of Reduction Mechanisms in Electric Rock Drills 65
Murashko, V. P., and K. I. Zablomskiy. Contact Wear Resistance of Heavily Loaded Gears With Stepped Load Increase 73
Kuznetsov, A. P. Study of the Rigidity of Certain Elements of Automobile Transmissions 85
Tataryachenko, V. G. Design of Teeth for the R. L. Novikov Gear Train and Some Special Features of Composite Gear Drives 91
Jafar, B. S. Relationship Between Load Distribution in a Splined Joint of a Gear and Shaft and the Rigidity of Components in the Joint 97
Gaitay, O. P. Maximum Value of the Coefficient of Overlap in Spur Gear Trains With External Engagement With Straight Involute Teeth and Angular Correction 103
Zablomskiy, K. I. Gear-testing Installation 111

L 3368-66 ZWT(1)/T IJP(c) GG/GS

UR/0000/64/000/000/0422/0431

ACCESSION NR: AT5020489

AUTHORS: Vilisova, M. D.; Lavrent'yeva, L. G.; Murashko, V. S.; Presnov, V. A.
(Professor) 44.55 44.55 44.55 44.55

TITLE: Producing and studying gallium arsenide films

58
B+1

SOURCE: Mashvuzovskaya nauchno-tekhnicheskaya konferentsiya po fizike
poluprovodnikov (poverkhnostnyye i kontaktnyye yavleniya. Tomsk, 1962.

Poverkhnostnyye i kontaktnyye yavleniya v poluprovodnikakh (Surface and contact
phenomena in semiconductors). Tomsk, Izd-vo Tomskogo univ., 1964, 422-431.

TOPIC TAGS: gallium arsenide, iodine, cadmium sulfide, selenium, microelectronic
thin film 44.55

ABSTRACT: Methods of producing gallium arsenide films, their electrical
conductivity, grain size, charge-carrier concentration, and thermo-emf coefficient,
and the results of tests of the films for uniformity of thickness and resistance
are discussed. The work was done to develop methods of producing thin homogeneous
gallium arsenide films of stoichiometric composition, and the tests were performed
to evaluate the various methods. Gallium arsenide films were prepared by
vaporization in a vacuum (vaporization temperature, ~ 1000C, substrate temperature,
Card 1/3

L 3368-66

ACCESSION NR: AT5020489

400-450C, layer thickness, $\sim 3-4 \mu$; by thermal sublimation (source temperature, 1000-1100C, substrate temperature, 700-800C, growth rate, $0.5-3 \mu/\text{hr}$); and by the iodide method, where an evacuated quartz ampule containing GaAs, iodine, and a substrate is heated in a furnace (source temperature, 100-200C higher than substrate temperature; substrate temperature $\geq 600\text{C}$; growth rate, $50-100 \mu/\text{hr}$). The average size of the crystals in the films produced by distillation and the iodide method was $4-5 \mu$. Typical curves of the conductivity σ , Hall coefficient R , and thermo-emf coefficient α versus temperature for certain polycrystalline films are given in Fig. 1 on the Enclosure. It is shown that the sublimation and iodide methods produce polycrystalline and epitaxial GaAs films that are fairly uniform in thickness and resistance. Both methods also allow doping with Zn, Cd, and Se. Orig. art. has: 10 graphs, 1 diagram, 2 tables, and 1 formula.

ASSOCIATION: ~~Министерство науки и техники СССР~~ (Ministry of Science and Technology of the USSR) (Moscow)

SUBMITTED: 06Oct64

ENCL: 01

SUB CODE: SS

NO REF SOV: 004

OTHER: 002

Card 2/3

L 3368-66

ACCESSION NR: AT5020489

ENCLOSURE: 01

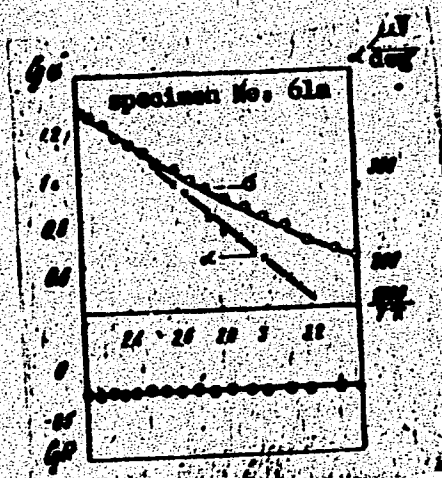


Fig. 1. Curves of conductivity, Hall coefficient, and thermo-emf coefficient versus temperature for polycrystalline specimen

Card 3/3 *md*

ACC NR: AR6017151	SOURCE CODE: UR/0275/66/000/001/B015/B015
AUTHOR: Vilisova, M. D.; Lavrent'yeva, L. G.; Murashko, V. S.; Presnov, V. A.	
TITLE: Production and analysis of <u>gallium arsenide films</u> 16	
SOURCE: Ref. zh. Elektronika i yeye primeneniye, Abs. 1B106	
REF SOURCE: Sb. Poverkhnostn. i kontaktn. yavleniya v poluprovodnikakh. Tomsk, Tomskiy un-t, 1964, 422-431	
TOPIC TAGS: gallium arsenide, semiconducting film, polycrystalline film, Hall effect, thermoelectric phenomenon, thermal emf	
TRANSLATION: Gallium arsenide films with Se and Zn impurities were obtained using thermal precipitation and chemical reaction (in the presence of iodine) in a quartz container. The use of iodine facilitated the deposition of film at a rate of 50 to 100 μ per hr. The investigation of temperature dependence of the Hall effect coefficient, and the thermal emf coefficient over the 0-180°C interval, showed that the concentration of the electric charge carriers does not vary over this temperature range; the electric conductivity does increase, however, due to the intercrystalline layers. The thermal emf coefficient increases logarithmically. An investigation of film isotropy over its thickness and the distribution of impurities was carried out. A. P.	
SUB CODE: 20	UDC: 621.315.592:548.552:546.19'681
Card 1/1	

MURASHKO, V.V.

Ink stylus and ink-electromagnetic time recorder for kymography.
Fiziol.smr. 39 no.6:740-741 N-D '53. (MLRA 6:12)

1. Gosptal'naya terapevticheskaya klinika Moskovskogo meditsinskogo
instituta Ministerstva zdoravookhraneniya RSFSR.
(Medical instruments and apparatus)

MURASHKO, V.V.

Murashko, V.V. -- "External Respiration in the case of a Proportioned Physical Load."
Cand Med Sci, Central Inst for the Advanced Training of Physicians, 19 Jan 54.
(Vechernyay Moskva, 7 Jan 54)

SO: SUM 168, 22 July 1954

Murashko V.V.

SHELAGUROV, A.A., professor; YURENEV, P.N.; MURASHKO, V.V.

On the subject of mitral commissurotomy. Khirurgiya no.8:11-16
Ag. '55. (MIRA 9:2)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (dir.-chlen. korrespondent
AMN SSSR prof. B.V. Petrovskiy) pediatricheskogo fakul'teta i
propedebticheskoy terapevticheskoy kliniki (dir.-prof. A.A.
Shelagurov) lechebnogo fakul'teta II Moskovskogo meditsinskogo
instituta imeni I.V. Stalina.

(MITRAL STENOSIS, surg.
commissurotomy)

GENIN, N.M.; MURASHKO, V.V.

External respiration in physical effort following commissurotomy in
mitral stenosis. Terap. arkh. 29 no.8:9-17 '57. (MIRA 11:4)

1. Iz gosvital'noy khirurgicheskoy kliniki (zav.-prof. A.V.Gulyayev)
pediatricheskogo fakul'teta i pronedevticheskoy terapevticheskoy kliniki
(zav.-prof. A.A.Shelagurov) lechebnogo fakul'teta II Moskovskogo
meditsinskogo inatituta imeni I.V.Stalina.

(COMMISSUROTOMY,

postop. resp. after phys. effort (Rus)

(EXERCISE, effects,

on resp. after commissurotomy (Rus)

(RESPIRATION, physiology,

eff. of exercise after commissurotomy (Rus)

MURASHKO, V. V.

SHELAGUROV, A.A., professor; YURENEV, P.N., dotsent; MURASHKO, V.V.
(Moskva)

Surgical therapy of mitral stenosis. Klin.med. 35 no.3:7-14 Mr '57.
(MLBA 10:7)

1. Iz propedevticheskoy terapevticheskoy kliniki (zav. kafedroy -
prof. A.A.Shelagurov) lechebnogo fakul'teta II Moskovskogo meditsin-
skogo instituta imeni Stalina.
(MITRAL STENOSIS, surg.
(Rus))

KURSHAKOV, N.A., professor; MURASHKO, V.V., kandidat meditsinskikh nauk
(Moskva)

Methodology and recording in a functional heart test based on
progressive exercise. Klin.med. 35 no.3:110-118 Mr '57. (MLRA 10:7)

1. Chlen-korrespondent AMN SSSR (for Kurshakov)
(HEART, funct. tests
progressive loading , technic & results (Rus))

MURASHKO, V.V.; SEMIN, N.D. (Moskva)

Apparatus for the intensification of auscultatory sounds. Klin.
med. 37 no.7:135-137 J1 '59. (MIRA 12:10)

1. Iz propedevticheskoy terapevticheskoy kliniki lechebnogo
fakul'teta II Moskovskogo meditsinskogo instituta imeni N.I.
Pirogova (zav. - prof.A.A.Shelagurov).
(HEART SOUNDS)

MURASHKO, V.V.; SEMIN, N.D.

Vectorcardiogram in pulmonary heart. Kardiologiya 3 no. 140-52
M-D '63.

1. iz kafedry propedevtiki vnutrennikh bolezney (zav. - zasluzhennyy
deyatel' nauki prof. A.A. Sholagurov) legochnogo fakul'teta I
Moskovskogo meditsinskogo instituta imeni N.I. Pirogova.

KHAR'KOV, Nikolay Yeliseyevich, inzh.; ZAGL', Otto Andreyevich,
inzh.; SHTEYN, Illarion Iosifovich, inzh.; MURASHKO,
V.V. red.

[New developments in the manufacture of prestressed
reinforced concrete] Novoe v izgotovlenii predvaritel'-
no napriazhennogo zhelezobetona. Odessa, Maiak, 1965.
56 p. (MIRA 18:12)

1. Trest "Chernomorskorgtekhstroy" (for all except
Murashko).

L 39970-66 ~~EWI(d)/EWI(m)/EWP(k)/EWP(h)/T-2/EWP(w)/EWP(r)~~ LIP(c) FM
ACC NR: AP6016734 SOURCE CODE: UR/0084/66/000/001/0005/0005

AUTHOR: Murashko, V. (Engineer)

ORG: None

TITLE: Il-18Ye aircraft for 90, 100, 110 and 122 passenger seats

SOURCE: Grazhdanskaya aviatsiya, no. 1, 1966, 5

TOPIC TAGS: civil aviation, transport aircraft, aircraft cabin equipment / Il-18 aircraft, Il-18Ye aircraft

ABSTRACT: A new version of the Il-18 aircraft designed by the S. V. Il'yushin Design Office is described. The new version of Il-18Ye type is characterized by a variable number of passenger seats. The number of seats can be varied from 90 to 122 depending upon the season and the density of traffic. The aircraft is already put in series production. The accommodation of seats is arranged by the Civil Aviation repair shops. The seats of the economy class are of an improved reversible design. The seat spacing is 750 mm. The seats in the tourist class are somewhat more comfortable. Four versions for seat arrangement are proposed. The first version is designed for 122 seats (economy and tourist) with a reduced wardrobe area. It is used for flights in summer or in warm regions. The second version has 110 seats of tourist class and an additional wardrobe area. It is used in winter. The third version has 100 tourist seats for summer flights. The fourth version of 90 tourist seats is used only in winter. The arrangement of seats in these four versions are illustrated. Some improvements in ventilation, heating and air conditioning systems are mentioned. Orig. art. has: 5 figures.

SUB CODE: 01/ SUBM DATE: None

Card

MURASHKO, V.Ye.

Treatment of stenocardia patients with the preparation erinit.
Vrach.delo no.11:25-29 N '62. (MIRA 16:2)

1. Kafedra fakul'tetskoy terapii (zav. - prof. A.I. Gafter)
Gor'kovskogo meditsinskogo instituta.
(ANGINA PECTORIS) (VASODILATORS)

MURASHKO, V.Ye., assistant (Gor'kiy)

Third Conference of Volga Valley Theraputists. Kaz. med. zhur.
no.6:81-83 N-D '63. (MIRA 17:10)

MURASHKO, Ye.I.

Incidence of pneumonia in children in Krasnoyarsk Territory. Vop.
okh. mat. i det. 6 no. 7:78-82 J1 '61. (MIRA 14:8)

1. Glavnyy pediatr Krasnoyarskogo kraya.
(KRASNOYARSK TERRITORY--PNEUMONIA)

MURASHKO, Ye.Ye.

Battery operated photorelay. Fiz. v shkole 15 no.1:52-54 Ja-P
'55. (MLRA 8:2)

1. Pedagogicheskiy institut, g.Glukhov.
(Photoelectric cells)